

Message

From: Emilsson, Gunnar [EmilssonGR@cdmsmith.com]
Sent: 5/26/2017 9:16:17 PM
To: Cirian, Mike [Cirian.Mike@epa.gov]
Subject: Comments to the Draft Concrete Backfill Approval Letter
Attachments: CFAC Pot Rm #1 Concrete Sampling Memo_Comments.docx

Hi Mike:

Attached please find CDM Smith's comments to DCAC/Roux's draft concrete sampling approval letter. We recommend that EPA approve the use of concrete for backfill, but only if it is cleaned to remove surficial aluminum and fluoride prior to crushing. It seems to us that there is a middle ground between the two cleaning techniques proposed by Roux (broom sweeping vs. brushing by hand with a wire brush), such as washing it with a floor scrubber, to remove that fraction of aluminum and fluoride concentrations that are readily leachable to ground water.

Please call if you have any questions. FYI, I will be out of the office next week May 31 to June 2.

Have a great holiday weekend,

Gunnar Emilsson, P.G., P.E., BCEE

Project Manager

CDM Smith

50 West 14th St., Suite 200, Helena, MT 59601

T: (406) 441-1422 F: (406) 449-7725 M: (406) 431-3982

emilssongr@cdmsmith.com

cdmsmith.com